

## List of Acronyms

<b>AAP</b>	Army Ammunition Plant	CEQ	Council of Environmental Quality
ACSIM	Assistant Chief of Staff for Installation Management	CLP	Contract Laboratory Program
ACL	alternate concentration limit	CMI	Corrective Measures Implementation
A-E	architectural-engineering	CMS	Corrective Measures Study
AE	assimilation efficiency	COA	co-occurrence analyses
AET	apparent effects threshold	COEC	chemicals of ecological concern
<b>AFB</b>	Air Force Base	COPEC	chemicals of potential ecological concern
ALAD	aminolevulinic acid dehydrase	CRC	Coastal Resource Coordinator
AOC	Area of Concern	CRCB	Coastal Resource Coordination Branch
AQUIRE	Aquatic Information Retrieval Database	CRDL	contract-required detection limit
API	American Petroleum Institute	CRL	certified reporting limit
ARARS	applicable or relevant and appropriate requirements	CRQL	contract-required quantitation limit
ASA (I,L,E)	Assistant Secretary of the Army for Installations, Logistics, and the Environment	CS	case study
ASTER	Assessment Tools for the Evaluation of Risk	CWA	Clean Water Act
ASTM	American Society for Testing and Materials	CX	Center of Expertise
ATSDR	Agency for Toxic Substances and Disease Registry	DA	Department of Army
AVS	acid volatile sulfide	DC	dietary composition
AWQC	ambient water quality criteria	DDT	p,p'-dichlorodiphenyltrichloroethane
BaP	benzo(a)pyrene	DEP	Director of Environmental Programs
BCA	Base Closure Account	DERA	Defense Environmental Restoration Account
BAF	bioaccumulation factor	DERP	Defense Environmental Restoration Program
BCF	bioconcentration factor	df	degrees of freedom
BES	Biomedical Engineering Service	DNAPL	dense non-aqueous phase liquids
BLM	Bureau of Land Management	<b>DOC</b>	Department of Commerce
BMF	biomagnification factor	DoD	Department of Defense
BRAC	Base Realignment and Closure	DOE	U.S. Department of Energy
BTAG	Biological Technical Assistance Group	DOI	U.S. Department of Interior
BTEX	benzene, toluene, ethylbenzene, and total xylenes	DOJ	Department of Justice
BUMED	Bureau of Medicine and Surgery	DON	Department of the Navy
BW	body weight	DPM	Defense Prioritization Model
C	chemical concentration	<b>DQO</b>	data quality objective
CAA	Clean Air Act	DSMOA/CA	Department of Defense and State Memorandum of Agreement/Cooperative Agreement Program
CAMU	Corrective Action Management Unit	EA	environmental assessment
CDDs	chlorinated dibenzo-p-dioxins	EBS	Environmental Baseline Survey
CDFs	chlorinated dibenzofurans	EC <sub>50</sub>	median effect concentration
CEC	cation exchange capacity	ECAS	Environmental Compliance Assessment System
CEMP-R	HQUSACE Military Programs Directorate, Environmental Restoration Division	ECSM	ecological conceptual site model
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	ED	exposure duration
CERCLIS	CERCLA Information System	EE/CA	engineering evaluations and cost analyses
CERFA	Community Environmental Response and Facilitation Act	Eh	oxidation-reduction potential
		EIS	environmental impact statement
		EMF	exposure modifying factors
		EO	Executive Order
		EP	equilibrium partitioning
		EPA	U.S. Environmental Protection Agency

ERA	ecological risk assessment	IRP	Installation Restoration Program
ER-L	effects range-low	ISF	intraspecies uncertainty factor
ERL-D	Environmental Research Laboratory - Duluth	LC <sub>50</sub>	median lethal concentration median lethal dose
ER-M	effects range-median	LEL	lower effects level
ERT	Environmental Response Team	LNAPL	light nonaqueous phase liquids
ESA	Endangered Species Act	LOAEC	lowest observable adverse effect concentration
ET	Ecotox threshold	LOAEL	lowest observed adverse effect level
ETAG	Ecological Technical Assistant Group	LOEL	lowest observed effects level
EU	exposure unit	LOEC	lowest observed effects concentration
EQ	equivalent	log K <sub>oc</sub>	logarithm of the soil/sediment partitioning or sorption coefficient
FDA	U.S. Food and Drug Administration	log K <sub>ow</sub>	logarithm of the <i>n</i> -octanol-water partition coefficient
FEMA	U.S. Federal Emergency Management Agency	log P	see log K <sub>ow</sub>
FFA	Federal Facility Agreement	MACOMs	Major Air Force Commands
FFCA	Federal Facility Compliance Agreement	MBTA	Migratory Bird Treaty Act
FI	food ingestion (intake)	MDEP	Massachusetts Department of Environmental Protection
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act	MDL	method detection limit
<b>FMR</b>	free-living (or field) metabolic rate	MDRD	minimum detectable relative difference
FOSL	Finding of Suitability to Lease	MEF	matrix effects factor
FOST	Finding of Suitability to Transfer	NAPL	nonaqueous phase liquids
FS	Feasibility Study	NAS	National Academy of Science
FUDS	formerly used defense sites	NCAPS	National Corrective Action Prioritization System
FY	fiscal year	NCP	National Oil and Hazardous Substances Pollution Contingency Plan
GAC	granulated activated carbon	ND	not detected
GUMS	gas chromatography/mass spectrometry	NEL	no-effect level
GEMS	Geographic Exposure Modeling System	NEPA	National Environmental Policy Act
GIS	Geographic Information System	NESHAP	National Emissions Standards for Hazardous Air Pollutants
GLWC	Great Lakes Water Criteria	NFA	no further action
GLWI	Great Lakes Water Initiative	NHPA	National Historic Preservation Act
GLWQI	Great Lakes Water Quality Initiative: Final Rule (60 FR 15366)	NIOSH	National Institute for Occupational Safety and Health
HEAST	Health Effects Assessment Summary Tables	NOAA	National Oceanic and Atmospheric Administration
HEA	health and environmental assessment	NOAEL	no observed adverse effect level
HEP	Habitat Evaluation Procedures	NOEL	no observed effects level
HI-IRA	human health risk assessment	NOEC	no observed effect concentration
HI	hazard index	NON	Notice of Noncompliance
HQ	hazard quotient	NPDES	National Pollutant Discharge Elimination System
HQUSACE	Headquarters, U.S. Army Corps of Engineers	NPL	National Priorities List
HRS	Hazard Ranking System	NRC	Natural Research Council
HSDB	Hazardous Substances Data Bank	NRDA	Natural Resource Damage Assessment
HSWA	Hazardous and Solid Waste Amendments of 1984	NSTP	National Status and Trends Program
HTRW	Hazardous, Toxic, and Radioactive Waste	NTIS	National Technical Information Service
IAG	Interagency Agreement	NWI	National Wetlands Inventory Maps
IBI	Index of Biological Integrity		
IDL	instrument detection limit		
IF	ingestion factor		
IRA	Interim Remedial Action		
IRIS	Integrated Risk Information System		

NYDEC	New York Department of Environmental Conservation	ROD	Record of Decision
OCPS	organochlorine pesticides	RTECS	Registry of Toxic Effects of Chemical Substances
ODUSD(ES)	Office of the Deputy Under Secretary of Defense for Environment Security	RTV	reference toxicity value
OE	Ordnance and Explosives	SACM	Superfund Accelerated Cleanup Model
OERR	Office of Emergency and Remedial Response	SAP	Sampling and Analysis Plan
OMB	Office of Management and Budget	SAR	structure-activity relationship
ORNL	Oak Ridge National Laboratory	SARA	Superfund Amendments and Reauthorization Act of 1986
OSWER	U.S. EPA Office of Solid Waste and Emergency Response	SAV	sediment assessment values
o u	operable unit	SCEM	site conceptual exposure model
PA	Preliminary Assessment	SCS	Soil Conservation Service
PAHS	polycyclic aromatic hydrocarbons	SDWA	Safe Drinking Water Act
PCBs	polychlorinated biphenyls	SEL	serious (severe) effects level
PCDD	polychlorinated dibenzo-dioxin	SEM/AVS	simultaneously extracted metal/acid volatile sulfide
PCDF	polychlorinated dibenzo-furan	SI	Site Inspection
PD	project decision statement	SITE	Superfund Innovative Technology Evaluation
PEL	probable effects level	SLC	screening level concentration
PM	project manager	SOP	Standard Operating Procedures
PMP	Project Management Plan	SOW	Statement of Work or Scope of Work
PNA	polynuclear aromatics	SQL	sample quantitation limit
PNRS	Preliminary Natural Resource Surveys	SQT	sediment quality triad
POL	petroleum, oil, and lubricants	SSF	species sensitivity factor
PQL	practical quantitation limit	SWMU	Solid Waste Management Unit
PRGs	Preliminary Remediation Goals	SVOC	semivolatile organic compound
PRP	potentially responsible party	TAL	Target Analyte List
<b>PTL</b>	Poisson Tolerance Limits	TBC	to-be-considered
QAPP	Quality Assurance Project Plan	TCDD	tetrachlorodibenzo-p-dioxin
QA/QC	quality assurance/quality control	TCE	trichloroethylene
QSAR	quantitative structure activity relationship	TCL	Target Cleanup Levels
RA	Remedial Action	TCS	Total Client Satisfaction
RAB	Restoration Advisory Board	TEF	toxicity equivalence factor
RAGS I	Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (EPA 1989f)	TEL	threshold effects level
RAGS II	Risk Assessment Guidance for Superfund, Volume II, Environmental Evaluation Manual (EPA 1989a)	TERC	Total Environmental Restoration Contract
RAOs	Remedial Action Objectives	TM	technical manager
RBCs	risk-based screening concentrations	TOC	total organic carbon
RCRA	Resource Conservation and Recovery Act	TPH	total petroleum hydrocarbons
RD	Remedial Design	TQL	Total Quality Leadership
RfD	reference dose	TQM	total quality management
RFA	RCRA Facility Assessment	TRC	Technical Review Committee
RFI	RCRA Facility Investigation	TRV	toxicity reference value
RGs	remediation goals	TSCA	Toxic Substances Control Act
RI	Remedial Investigation	TSDF	Treatment, Storage, and Disposal Facility
RL	Remediation Level	TSS	total suspended solids
RM	Risk Management Decision	TU	temporary unit
RMDM	risk management decision-making	UCL	upper confidence limit
RME	reasonable maximum exposure	UF	uncertainty factor
		UMTRCA	Uranium Mill Tailings Radiation Control Act
		US ACE	U.S. Army Corps of Engineers

USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine	USFWS	U.S. Fish and Wildlife Service
USAEC	U.S. Army Environmental Center	SGS	U.S. Geological Survey
USAEHA	U.S. Army Environmental Hygiene Agency (now USACHPPM)	UST	underground storage tank
USAERDEC	U.S. Army Edgewood Research, Development, and Engineering Center	USATHAMA	U.S. Army Toxic and Hazardous Materials Agency (former agency name)
USAF	U.S. Air Force	VOC	volatile organic compound
USDHHS	U.S. Department of Human Health Services	<b>WER</b>	water effect ratio
USDOI	U.S. Department of the Interior	<b>WERF</b>	Water Environmental Research Foundation
USFS	U.S. Forest Service	WET	wetland evaluation technique
		WI	water ingestion (intake)
		WV	wildlife value